

REMARKS

Status of the Claims

Claims 1 to 13 as filed are pending.

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The Restriction Requirement

The Patent Office has alleged that the pending claims of the application are directed to three separate and distinct inventions under 35 U.S.C. §121:

Group I: Claims 1-8, drawn to computer-implemented methods of generating a 3-D representation of a target sequence wherein the entire target sequence is listed, classified in Class 702, subclass 19.

Group II: Claims 9-11, computer-implemented methods of generating a 3-D representation of a target sequence wherein identity constraints, 2-D constraints, and tertiary constraints are used, classified in Class 702, subclass 19.

Group III: Claims 12-13, drawn to computer-implemented methods of generating a 3-D representation of a target sequence wherein an alignment of the target sequence with another sequence is used, classified in Class 702, subclass 19.

The Election

In response to the Restriction Requirement, Applicants elect Group I, claims 1 to 8, drawn to computer-implemented methods of generating a 3-D representation of a target sequence wherein the entire target sequence is listed, classified in Class 702, subclass 19

Applicant believes that no fee is required for submission of this Response. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 06-1050. Please credit any overpayment to the above-noted Deposit Account.

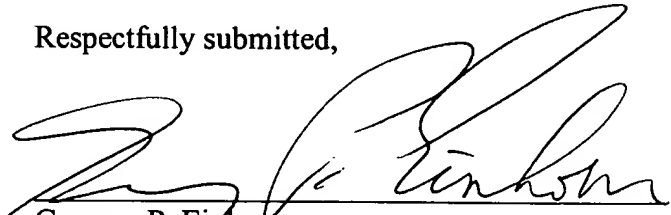
Applicant : Skolnick et al.
Serial No. : 09/493,022
Filed : January 27, 2000
Page : 3

Attorney's Docket No.: 10886-045001 / TSRI 655.1/
SCR 2232P

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 858 678 5070.

Respectfully submitted,

Date: 10/11/07


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